

EMPLOYEE:

CLAIM #



Job Analysis Form

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|--|---|---------------------------|------------------|
| JOB TITLE | Waterfront Streetcar Operator | JOB CLASSIFICATION | Transit Operator |
| DOT TITLE | Streetcar Operator | DOT NUMBER | 913.463-014 |
| DEPARTMENT | Transportation | DIVISION | Operations |
| # OF POSITIONS IN THE DEPARTMENT WITH THIS JOB TITLE 5 Full Time; 15 Alternates | | | |
| CONTACT'S NAME & TITLE | Sandy Sander, Ryerson Base Chief | | |
| CONTACT'S PHONE | 206.684.2606 | | |
| ADDRESS OF WORKSITE | Waterfront Trolley Car Barn, Elliott Avenue | | |
| VRC NAME | Neil Bennett, M.Ed., CRC, CDMS | DATE COMPLETED | 8/13/04 |
| VRC NAME | Jeff Casem | DATE REVISED | 5/15/08 |

WORK HOURS Hours vary greatly from 8-48 hours per week. The most common schedules are 6:45am to 3:00pm, 6:15am to 2:45pm, and 10:00am to 6:00pm. During holidays and summer months hours may be extended to accommodate increased customer demand.

OVERTIME Required frequently to occasionally.

JOB DESCRIPTION

Operates waterfront streetcar, transporting the general public. Waterfront streetcars navigate on railroad tracks. Each streetcar has two identical driving stations, one at each end of the streetcar. All driving controls are hand operated except for the trolley bell and sand release control, which are operated with a foot pedal. Ensures the safety of passengers by following traffic laws. This is a safety sensitive position and the employee is subject to random drug testing and other conditions as required to maintain a Commercial Driver's License (CDL).

ESSENTIAL ABILITIES FOR ALL KING COUNTY JOB CLASSIFICATIONS

1. Ability to demonstrate predictable, reliable, and timely attendance.
2. Ability to follow written and verbal directions and to complete assigned tasks on schedule.
3. Ability to read, write & communicate in English and understand basic math.
4. Ability to learn from directions, observations, and mistakes, and apply procedures using good judgment.
5. Ability to work independently or part of a team; ability to interact appropriately with others.
6. Ability to work with supervision, receiving instructions/feedback, coaching/counseling and/or action/discipline.

JOB SPECIFIC REQUIREMENTS

Must possess a current CDL, have a safe driving record, and meet all of the qualifications of a transit operator. This position is seniority based and requires several years of good

standing service as a full time Transit Operator. Successful completion of a 4-day Streetcar Operator's training course is also required.

ESSENTIAL FUNCTIONS

1. Operates waterfront streetcar and transports the general public.
2. Watches for hazards, both automotive and pedestrian, and takes appropriate action to avoid collisions.
3. Performs safety inspections at the beginning of each shift to ensure tracks are free of debris and the streetcars are in proper operating condition.
4. Attaches and removes streetcar poles from overhead electrical power lines at the end of each run.
5. Pulls whistle pull to operate alternate trolley bell to alert drivers and pedestrians of trolley presence.
6. Depresses foot pedal to activate gong/trolley bell when crossing through all intersections.
7. Interacts with the general public and provides customer service.
8. Opens and closes streetcar barn, which may include locking and unlocking gates and turning on and off power source for streetcar barn and streetcar power lines.
9. Uses 2-way radio to communicate mechanical malfunctions.

NON-ESSENTIAL FUNCTIONS

1. Cleans streetcars, such as picking up trash.

PERSONAL PROTECTIVE EQUIPMENT USED

NA

OTHER TOOLS & EQUIPMENT USED

Streetcar/trolley, trolley poles, 2-way radio, trolley gong/bell, trolley whistle, public address system, emergency stop, and fire extinguisher.

PHYSICAL DEMANDS AS JOB IS TYPICALLY PERFORMED

Continuously = occurs 66-100% of the time

Frequently = occurs 33-66% of the time

Occasionally = occurs 1-33% of the time

Rarely = may occur less than 1% of the time

Never = does not ever occur (such demands are not listed)

Highly Repetitive = Repeating the same motion every few seconds with little or no variation for more than two hours total per day.

This job is classified as

Light—exerting up to 20 pounds of force occasionally, and/or up to 10 pounds of force frequently and/or a negligible amount of force constantly. A job is light if involves less than or up to the indicated pounds of force and one or more of the following apply; walking and standing to a significant degree, sitting and pushing/pulling of arm or leg controls, or constant pushing and pulling to maintain a production rate even when weight is negligible.

Standing

Health Care Provider initials if restricted _____

Continuously on flat rubber surfaces for up to 2.5 hours at a time for up to 7 hours total in a work shift. Most commonly occurs while operating the streetcar. The employee has the option to stand or sit when operating the streetcar and can alternate as needed. Employee work area is in confined (30" x 70") space (see sitting); while standing, employee can lean against wall for support.

Walking

Health Care Provider initials if restricted _____

Occasionally in Trolley on flat rubber surfaces in Trolley and gravel and cement/concrete pavement surfaces for distances of up to 100 feet for up to 1 minute at a time for up to 15 minutes total in a work shift. Most commonly occurs while performing safety checks and when switching driving stations.

Sitting

Health Care Provider initials if restricted _____

Continuously to frequently on a padded streetcar seat for up to 2.5 hours at a time for up to 7 hours total in a work shift. Most commonly occurs while operating the streetcar. The employee has the option to stand or sit when operating the streetcar and can alternate as needed. Employee work area is in confined (30" x 70") space when door is closed to allow employee access to seat (11"x22" which folds out from closed door); if seated, confined work area creates ergonomic difficulties in operating foot and hand controls over long periods of time.

Climbing stairs

Health Care Provider initials if restricted _____

Occasionally for up to 3 seconds at a time while climbing 3-4 steps into main access to Trolley for up to 20 times total in a work shift. Most commonly occurs while entering or exiting the Trolley at the end of each run to attach and detach the trolley poles.

Climbing ladders

Health Care Provider initials if restricted _____

Rarely for up to 3 seconds at a time while climbing 3-4 vertical 12-16 inch ladder steps into front access to streetcar for up to 20 times total in a work shift. Most commonly occurs while entering or exiting the streetcar at the end of each run to attach and detach the trolley poles.

Balancing

Health Care Provider initials if restricted _____

Highly repetitive on flat rubber surfaces for up to 2.5 hours at a time for up to 7 hours total in a work shift. Most commonly occurs while operating the streetcar while standing. As noted Operator may lean against wall or sit to assist in balance.

Bending neck up

Health Care Provider initials if restricted _____

Frequently for 10-15 seconds at a time, 10-15 times per hour for 8 hours per work shift while looking out window to observe overhead traffic signals on street or other overhead obstacles, and attaching and detaching trolley poles from electrical power lines or climbing ladder of streetcar.

Bending neck down

Health Care Provider initials if restricted _____

Frequently for 10-15 seconds at a time, 20-25 times per hour for 8 hours per work shift while looking out window to observe streetcar position on street, or other street level obstacles.

Bending/Stooping

Health Care Provider initials if restricted_____

Rare on flat rubber surfaces for up to 1 minute at a time for up to 10 minutes total in a work shift. Most commonly occurs while inspecting a trolley for mechanical failures, attaching rubber bungee cord to the driver's door, reaching for the fire extinguisher, checking level of sand in sander supply box and reaching for the emergency step to assist passengers out of the trolley during mechanical failures.

Kneeling

Health Care Provider initials if restricted_____

Rare on flat rubber surfaces for up to 1 minute at a time for up to 10 minutes total in a work shift. Most commonly occurs while inspecting a trolley for mechanical failures, attaching rubber bungee cord to the driver's door, reaching for the fire extinguisher, checking level of sand in sander supply box and reaching for the emergency step to assist passengers out of the trolley during mechanical failures.

Operating Controls with Feet

Health Care Provider initials if restricted_____

Frequently for up to 5 seconds at a time for up to 3.5 hours total in a work shift while depressing a foot pedal with 5-10 pounds of force to ring the trolley bell when crossing through each intersection.

Reaching above shoulder height

Health Care Provider initials if restricted_____

Occasionally to Frequently, using one or both arms, for up to 1 minute at a time for up to 90 minutes total in a work shift while attaching and detaching trolley poles from electrical power lines or grasping ladder rungs of streetcar; ringing streetcar horn with left arm; operating controls of radio with right arm and changing destination signs, and routine inspections with both arms.

Reaching at waist to shoulder height

Health Care Provider initials if restricted_____

Highly repetitive for up to 2.5 hours at a time for up to 7 hours total in a work shift while operating the streetcar controls using both arms simultaneously on different controls.

Reaching at knee to waist height

Health Care Provider initials if restricted_____

Rare to Occasional for up to 10 seconds at a time for up to 15 minutes total in a work shift while detaching or attaching a rubber bungee cord to the driver's door or using the manual brake.

Reaching at floor to knee height

Health Care Provider initials if restricted_____

Rare for up to 5 seconds at a time for up to 15 minutes total in a work shift while opening the floorboard engine compartment, reaching for the emergency step, check sand supply box and other routine inspections.

Lifting 1-10 pounds

Health Care Provider initials if restricted_____

Occasional for up to 1 minute at a time for up to 20 – 30 times total in a work shift. Most commonly occurs with weights of less than 5 pounds while removing streetcar control levers from controls while away from control booth of streetcar.

Carrying 1-10- pounds

Health Care Provider initials if restricted_____

Occasional for up to 1 minute at a time for up to 20 – 30 times total in a work shift.
Most commonly occurs with weights of less than 5 pounds while removing streetcar control levers from controls while away from control booth of streetcar.

Lifting 11-20 pounds

Health Care Provider initials if restricted_____

Rare for up to 30 seconds at a time for up to 15 minutes total in a work shift. Most commonly occurs with weights of 27 pounds while using the emergency step to assist passengers in exiting the trolley during mechanical failures.

Carrying 11-20 pounds

Health Care Provider initials if restricted_____

Rare for up to 30 seconds at a time for up to 15 minutes total in a work shift. Most commonly occurs with weights of 27 pounds while using the emergency step to assist passengers in exiting the trolley during mechanical failures.

Pushing and Pulling

Health Care Provider initials if restricted_____

Highly repetitive for up to 2.5 hours at a time with a force of up to 25 pounds, up to 7 hours total in a work shift. Most commonly occurs with a force of up to 3 pounds when pushing and pulling the whistle cord and control levers to operate the streetcar. The Streetcar Operator will use up to 25 pounds of force for up to 1 minute at a time, up to 25 minutes in a work shift while attaching and detaching trolley poles from electrical power lines as well as setting the manual brake.

Handling

Health Care Provider initials if restricted_____

Continuously for up to 2.5 hours at a time for up to 7 hours total in a work shift while grasping the whistle cord and control levers of the streetcar.

Operating Controls with Hands

Health Care Provider initials if restricted_____

Continuously for up to 2.5 hours at a time for up to 7 hours total in a work shift while operating the whistle and control levers of the streetcar.

Fingering

Health Care Provider initials if restricted_____

Occasional for up to 1 minute at a time for up to 30 minutes total in a work shift while operating hand held radio to communicate with other streetcar operators or control base.

Talking

Health Care Provider initials if restricted_____

Frequently to occasionally for up to 15 minutes at a time for up to 2 hours total in a work shift while conversing with passengers and offering customer service.

Hearing

Health Care Provider initials if restricted_____

Continuously for up to 2.5 hours at a time for up to 7 hours total in a work shift while listening to the conductor's instructions as well as listening for potential hazards or emergency sirens.

Seeing

Health Care Provider initials if restricted_____

Near acuity—clarity of vision at 20 inches or less

Occasionally for up to 3 seconds at a time for up to 2 hours total in a work shift while looking at the speedometer and the air gauge of the trolley.

Far acuity—clarity of vision at 20 feet or more

Continuously for up to 2.5 hours at a time for up to 7 hours total in a work shift while looking for potential hazards and while operating the street car.

Depth perception—three dimensional vision

Continuously for up to 2.5 hours at a time for up to 7 hours total in a work shift while looking for potential hazards and while operating the street car.

Color vision—ability to identify and distinguish colors

Continuously for up to 2.5 hours at a time for up to 7 hours total in a work shift while operating the street car and identifying the colors of the traffic lights.

Field of vision—observing an area that can be seen up and down or right or left while eyes are fixed on a given point

Continuously for up to 2.5 hours at a time for up to 7 hours total in a work shift while looking for potential hazards and while operating the street car.

Night vision--seeing after sundown with minimal or no supplemental light sources

Occasionally for up to 3 hours at a time for up to 3 hours total in a work shift while operating the streetcar at night.

Working with Heightened Awareness

Health Care Provider initials if restricted _____

Work is performed in a public setting with direct interaction with a diverse group of people. The Streetcar Operator must be able to identify/anticipate potentially dangerous situations and take the appropriate action to avoid them. Near misses are common while driving the streetcar on the busy waterfront and is reported to be stressful.

ENVIRONMENTAL FACTORS

The noise level is moderately loud, with decibels ranging from 80 to 120, generally caused by outside traffic and street noise

HCP Initials if Restricted

Work environment may include the following exposure(s):

HCP Initials if Restricted

Outside weather Occasional-Frequent

Weather and Non-weather related temperatures below 55 degrees

Occasional-Frequent

Weather and Non-weather related temperatures above 75 degrees

Occasional-Frequent

Wet Occasional-Frequent

Humidity/dampness Occasional-Frequent

Fumes Occasional-Frequent

Dusts Occasional-Frequent

Vibration Occasional-Frequent

KING COUNTY JOB ANALYSIS COMPLETED ON: 8/13/04
JOB TITLE: Waterfront Streetcar Operator DOT #:
EMPLOYEE: CLAIM #

POTENTIAL MODIFICATIONS TO JOB

SIGNATURES

Signatures on this page are obtained before the document becomes available for use and are not required each time the document is reused. Obtained signatures are kept on file at King County Safety & Claims. The Health Care Provider signature section is separate and appears on the following page.

Neil Bennett, M.Ed. CRC, CDMS

Printed name & title of VRC evaluator

Signature of VRC evaluator

Date

Printed name & title of contact

Signature of contact

Date

Printed name & title of employee

Signature of employee

Date

HEALTH CARE PROVIDER SECTION

Check all that apply

- ☐ The employee is released to perform the described duties without restrictions on performance or work hours as of _____.
- ☐ The employee is released to perform the described duties on a reduced schedule as of _____. The recommended schedule is: _____
☐ Temporary until _____ ☐ Permanent as of _____
- ☐ The employee is released to perform the described job with the following modifications: _____

☐ Temporary until _____ ☐ Permanent as of _____
- ☐ The employee is not released to perform the described duties due to the following job functions: _____

☐ Temporary until _____ ☐ Permanent effective _____
- ☐ The employee is unable to work in any capacity.
A release to work is: ☐ anticipated by _____ ☐ Not expected

The limitations are due to the following objective medical findings:

Printed or typed name and phone number of Health Care Provider

Signature of Health Care Provider

Date